

1 ABSTRACT OF THE INVENTION

2 An apparatus and method of converting flue gases
3 produced by a fossil fuel burning furnace boiler is
4 disclosed. The flue gas is separated into its constituent
5 parts by cooling and filtering. Carbon dioxide, the main
6 constituent, is then converted to carbon monoxide in a laser
7 powered gas converter in which carbon is a catalyst. The
8 laser powered converter also produces hydrogen from steam,
9 and the two newly produced gases are chemically combined to
10 produce a hydrocarbon fuel product which can then be burned
11 in the furnace boiler. In this manner no harmful greenhouse
12 gases are permitted to escape to the atmosphere.

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